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End-to-end QoS architecture for VPNs: MPLS VPN deploy backbone network

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Abstract

Virtual private networks (VPNs) enable companies to connect geographically dispersed c workers via secure links to the private company network, using the public Internet as a ba VPN service in the broadband data communication network is very important and necess who want to specify group communication. VPN mechanisms are needed which work ov backbones, and which can also be migrated to new backbones like MPLS (Multi-Protocol). MPLS is the latest step in the evolution of multi-layer switching in the Internet. In this pap MPLS can be applied to creating VPNs. For this, we researched an architectural model fo MPLS domain. The proposed model takes advantage of both network layer peering and link-layer circuit and per-stream switching. It comes with a design scheme and an impl for VPN services in MPLS systems. Then we describe MPLS-based VPN service proced MPLS VPN schemes that must be accommodated with existing network backbones and a full range of QoS characteristics

Index Terms

Inspec

Controlled Indexing

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Non-controlled Indexing

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References

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